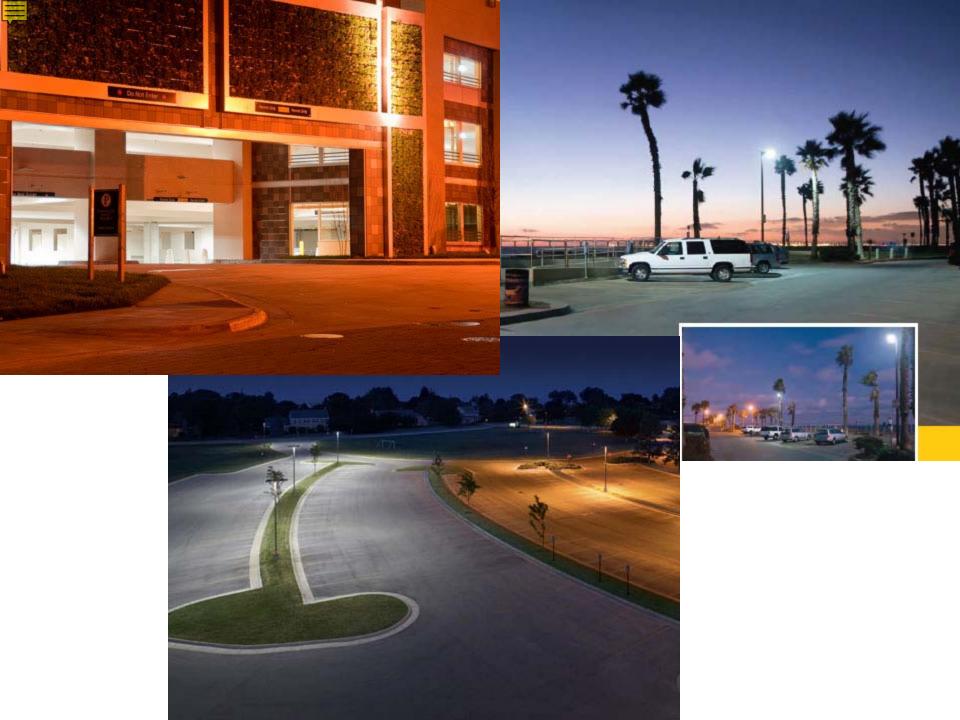


### Downtown Street Lights

September 26<sup>th</sup>, 2013





## History of Upgrades

- Mayor was concerned about Taxi
  Queue line
  - Walnut between 3<sup>rd</sup> and Main
- Public works installed a couple early LED fixtures
  - 6000K color temperature
  - stark white light



## History of Upgrades

- Federal funding for energy efficiency projects
- ~\$350,000 for LED street lights
  - Primarily downtown starting with Main Street



## Main St. Streetlights

- Stakeholders
  - Police -More/brighter/better light
  - Downtown BID Flattering, attractive light
  - Public Works
    - Budget constraints
    - Existing infrastructure constraints
    - Tree vs. street light conflict Nov. trim
  - Energy Manager
    - Use less energy with better light



## Main St. Street lights

- Installed brightest available LEDAcorn Globe Street lights
  - •4,650 lumens @3,500K CCT
- ODimming capability to satisfy stakeholders
- oImproved Light Quality
- OCutting edge project
- •Positive comments at the time







- o100% brightness
  - Thursday-Saturday midnight to 3am
- o70% brightness
  - Sunset to Midnight or Sunset to 3am during work week
- o40% brightness
  - 3 am to dawn



## Advancing technology

- •New fixtures provide double the light output
- With dimming capabilities
- o~\$40,000 for 2<sup>nd</sup> block of Main
  - •~\$1,600 per fixture
- •Existing fixtures can be reinstalled nearby

### Double light level – cobra head



### Double light level – cobra head





### **Brightest Acorns**





## Street light upgrades

#### 2010-2011

- Blufftop parking lots
- Manning Park & Murdy Park
- 3<sup>rd</sup> Street from Walnut to Orange
- 5<sup>th</sup> Street from Walnut to Orange
- City Beach lots Beach Blvd to Lifeguard HQ
- Olive between Main and 3rd



### Street light upgrades

- SCE rate case saving taxpayer money
- SCE buy-back re-structuring street lights
  - Self-funded all at once upgrade to LED



### Other street lights

- 7<sup>th</sup> St. Circuit & LED upgrades
- Pier Plaza
- Great Lawn
- Duke's Turnaround
- CalTrans PCH intersections
  - Main/PCH
  - Dolphin/PCH



## Other street lights

- 2014 Planned Upgrades
  - Balance of the City including downtown after purchasing street lights from SCE
  - As many antiquated Series circuits as the deal can afford



# Street light

Ouestions?